

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092509 A1

(51) International Patent Classification⁷: **B02C 19/20,**
17/10, B27L 11/00

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(21) International Application Number:
PCT/NZ2005/000059

(22) International Filing Date: 29 March 2005 (29.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:
NZ32002 29 March 2004 (29.03.2004) NZ

(71) Applicant and
(72) Inventor: SHARP, Rodney, Warwick [NZ/NZ]; 23
Thompson Ave., NL-2001 Hamilton (NZ).

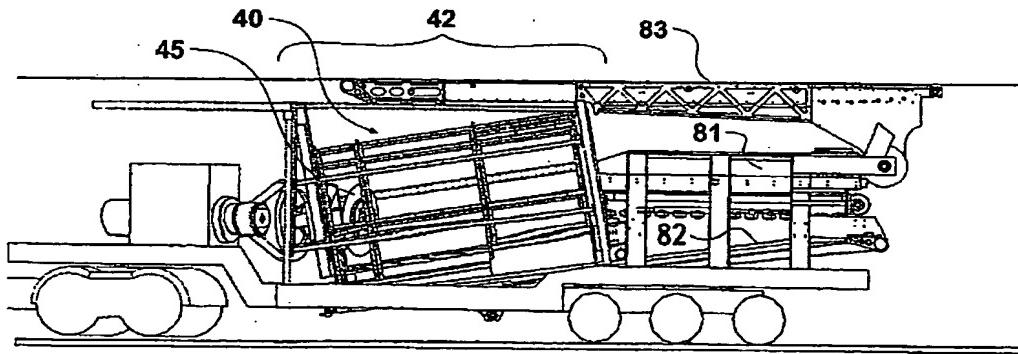
(74) Agent: SIMS, Antonia, Luz, Ines; PO Box 15-420,
Iprima Suite, Plaza del Sol, 160 Killarney Road, Hamilton
2001 (NZ).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS IN AND RELATING TO WOOD HOGGING APPARATUS



(57) Abstract: The present invention relates to hogging, sometimes known as reducing, apparatus for reducing wood waste into hog fuel, though some embodiments may also be used for reducing other materials including demolition timber, demolition masonry, mild steel scrap (thin sections), soft metal scrap, recycled cans, recycled glass, recycled plastic, soft rocks, occasionally hard rocks, recycled roofing and asphalt, old tyres, and certain green garden waste. The apparatus comprises a drum (40) inclined to the horizontal and into which raw material can be fed at its upper end. Rotation of the drum (40) assists driving raw material towards reducing means (45) positioned at an angle near its (40) lower end. Screening apertures (41) allow sufficiently comminuted material to pass therethrough for removal. Optional features include internal agitators (60) for improving processing and screening, assisted drying of raw material by motor exhaust (71), and initial pre-screening of foreign material.

WO 2005/092509 A1

BEST AVAILABLE COPY